

W. P.

LOCUS MAU18263 1665 bp DNA linear BCT 26-OCT-1995
DEFINITION Mycobacterium avium alkyl hydroperoxidase C (ahpC) gene, complete
cds, and OxyR homolog gene, complete cds.
ACCESSION U18263
VERSION U18263.1 GI:1040852
SOURCE Mycobacterium avium
ORGANISM Mycobacterium avium
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
avium complex (MAC).
REFERENCE 1 (bases 1 to 1665)
AUTHORS Sherman, D.R., Sabo, P.J., Hickey, M.J., Arain, T.M., Mahairas, G.G.,
Yuan, Y., Barry, C.E. III and Stover, C.K.
TITLE Disparate responses to oxidative stress in saprophytic and
pathogenic mycobacteria
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 92 (14), 6625-6629 (1995)
REFERENCE 2 (bases 1 to 771)
AUTHORS Yamaguchi, R., Matsuo, K., Yamazaki, A., Takahashi, M., Fukasawa, Y.,
Wada, M. and Abe, C.
TITLE Cloning and expression of the gene for the Avi-3 antigen of
Mycobacterium avium and mapping of its epitopes
JOURNAL Infect. Immun. 60 (3), 1210-1216 (1992)
REFERENCE 3 (bases 1 to 1665)
AUTHORS Hickey, M.J.
TITLE Direct Submission
JOURNAL Submitted (07-DEC-1994) Mark J. Hickey, TB & Molecular
Microbiology, PathoGenesis Corp., 201 Elliott Ave. W., Seattle, WA
98119, USA

Query Match 14.1%; Score 235.8; DB 1; Length 1665;
Best Local Similarity 55.3%; Pred. No. 5.7e-48;
Matches 506; Conservative 0; Mismatches 397; Indels 12; Gaps 2;

Qy 469 ATTCAACCGTTATAGTTATAGGCATGAGCAATAAGAGTACCGGCCACACTCGCCAGCT 528
Db |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 529 TCGCACCTTGTCAACCATCGCAGAATGCAAGCAGCTTGTAUTGCTGCCACCAAGCTGTC 588
Db |||| |||| ||| | |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 742 GCGCGCCTTCGTCGGTGCAGGAGAAGCGCCAATTAGCGGTGCCAACGGCTTGGGG 801
Db |||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 589 CATTCGCAGCCATCCCTCTCCCAGGCACCTTGTGCAATTAGAAACAGGCCCTGGGAGTTCA 648
Db | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 802 AGTCAGCCAGTCGACGCTGTCGAGGTGTTGGCGCGCTGGAGGGGGCTGGGCACGCA 861
Db |||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 649 GCTGATTGAACGCTCCACCCGCAAGGTCAATTGTCACCCAGCGGGCGAGAAGTTGCTGCC 708
Db | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 862 GTTGGTGGAGCGCTCCACCCGGCGTGTCTTCTTGACACCCCCAGGGCGCCGAGCTGCTGCC 921
Db |||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 709 ATTGCCAAATCCACCCCTGACGCCGGAGTCTTCCCTCTCCCACGCCAAGGGCGCCAA 768
Db |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 922 GCACGCCAGGCCGTGGTCGAGGCCCGACGCCCTCACCGCGGGCGGGCTTCGAC 981
Db |||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 769 CGGTTCGCTCACTGGACCGTTGACCGTAGGCATCATCCCCACGGCGGCTCCTACATTTT 828
Db | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy 982 GGACCCGFTGCGGGCGGCATGCGGCTGGGGCTGATCCCCACGGTGGTGCCCTACGTGCT 1041
Db |||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

